

# INVESTIGATOR'S ANNUAL REPORT

## National Park Service

All or some of the information provided may be available to the public

<b>Reporting Year:</b> 2004	<b>Park:</b> Shenandoah NP									
<b>Principal Investigator:</b> Dr Craig Snyder	<b>Office Phone:</b> (304) 724-4468 <b>Email:</b> Craig_Snyder@usgs.gov									
<b>Address:</b> U.S. Geological Survey (BRD) Leetown Science Center Aquatic Ecology Laboratory 1700 Leetown Road Kearneysville, WV 25430 US	<b>Office Fax:</b> (304) 724-4465									
<b>Additional investigators or key field assistants (first name, last name, office phone, office email):</b> <table border="0"> <tr> <td><b>Name:</b> James R. Webb</td> <td><b>Phone:</b> 434-924-1301</td> <td><b>Email:</b> rwebb@virginia.edu</td> </tr> <tr> <td><b>Name:</b> Shane H. Spitzer</td> <td><b>Phone:</b> 540-999-3434</td> <td><b>Email:</b> shane_spitzer@nps.gov</td> </tr> <tr> <td><b>Name:</b> James B. Atkinson</td> <td><b>Phone:</b> 540-999-3433</td> <td><b>Email:</b> james_atkinson@nps.gov</td> </tr> </table>		<b>Name:</b> James R. Webb	<b>Phone:</b> 434-924-1301	<b>Email:</b> rwebb@virginia.edu	<b>Name:</b> Shane H. Spitzer	<b>Phone:</b> 540-999-3434	<b>Email:</b> shane_spitzer@nps.gov	<b>Name:</b> James B. Atkinson	<b>Phone:</b> 540-999-3433	<b>Email:</b> james_atkinson@nps.gov
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<b>Permit#:</b> SHEN-2004-SCI-0006										
<b>Park-assigned Study Id. #:</b> SHEN-00292										
<b>Project Title:</b> Effects of stream water chemistry on mercury concentrations in brook trout in Shenandoah National Park.										
<b>Permit Start Date:</b> May 01, 2004	<b>Permit Expiration Date</b> Sep 30, 2005									
<b>Study Start Date:</b> Oct 01, 2003	<b>Study End Date</b> Sep 30, 2005									
<b>Study Status:</b> Continuing										
<b>Activity Type:</b> Research										
<b>Subject/Discipline:</b> Water Quality										
<b>Objectives:</b> The goal of the study is to ensure that mercury contamination poses no threat to humans or fish populations in the park. The specific objectives are to determine the distribution, abundance, and variability of Hg in fish in Shenandoah National Park, and to assess the relationship between stream water chemistry and Hg concentrations in brook trout, the primary game species in the park.										
<b>Findings and Status:</b> All fish have been collected and sent to contract lab for analysis of total mercury. Mercury analysis has been completed on about half of fish collected and data analysis has begun.										
<b>For this study, were one or more specimens collected and removed from the park but not destroyed during analyses?</b> Yes										
<b>Funding provided this reporting year by NPS:</b> 0	<b>Funding provided this reporting year by other sources:</b> 100000									
<b>Fill out the following ONLY IF the National Park Service supported this project in this reporting year by providing money to a university or college</b>										

<b>Full name of college or university:</b>  n/a	<b>Annual funding provided by NPS to university or college this reporting year:</b>  0
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